Claims

A process for the production of a curved laminated glass pane (1) comprising a [001] first glass sheet and a second corresponding glass sheet (2), together with an interlayer (3; 3') comprising at least one bioriented thermoplastic functional layer (5) and at least one layer of a bonding resin (4), such process comprising the steps of: thermoforming on a mould said at least one bioriented thermoplastic functional layer (5), together with at least one layer of a bonding resin (4) adhered to said at least one bioriented thermoplastic functional layer (5), in a configuration substantially corresponding to the end shape of said curved laminated glass pane (1); cooling by forced draught said at least one functional layer (5) and said suitable layers of a bonding resin (4), whereby the shape of said at least one functional film (5) is frozen; and positioning said interlayer (3, 3') between the two glass glazings (2) and applying pressure and heat to form a laminated glazing showing an end shape with one or more curvatures. A process according to claim 1 wherein, during the thermoforming step, a hot air [002] jet is injected from the bottom so as to effect a pretensioning of said at least one functional layer (5). A process according to any of claims 1 to 2, wherein said interlayer (3) [003] comprises two bonding resin layers (4), intended to be positioned into contact with distinct glass sheets (2), each adhered to the opposite side of one f functional layer (5). A process according to claim 1, wherein said interlayer (3') comprises one [004] functional layer (5), and a corresponding one bonding resin layer (4), adhered to one face of the functional layer, the functional layer (5) comprising, along its whole edge a pre-cut peripheral portion (5'), apt to be removed in a subsequent step. A process according to claim 1 or 4, wherein, before the thermoforming and the [005] cooling steps, said interlayer (3') is cold-stamped in a configuration substantially corresponding to the end shape of the curved laminated glass pane to be manufactured. A process according to claim 4 or 5, wherein, in the thermoforming step, vacuum [0006]is applied to the interlayer (3') to make it adhere to the mould with the functional layer (5) adherent to the mould surface. A process according to one of the claims 4 to 6, wherein, in the positioning step,

the shaped interlayer (3') is positioned over one glass glazing (2), with the

A process according to claim 7, wherein said one glass glazing (2) is intended to

bonding resin layer (4) is applied to the glass surface.

[007]

[800]

